

Converting Colors

$Y_{xy}(25.5054, 0.3162, 0.3590)$

Have a look what the booklet for
Yxy(25.5054, 0.3162, 0.3590)
contains.

Yxy(25.4938, 0.3156, 0.3588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4938, 0.3156, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	818E7D
RGB	129, 142, 125
RGB Percent	51%, 56%, 49%
CMY	0.4942, 0.4431, 0.5099
CMYK	0.09, 0.00, 0.12, 0.44
HSL	106°, 7%, 52%
HSV	106°, 12%, 56%
XYZ	22.4243, 25.4938, 23.1348
YIQ	136.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

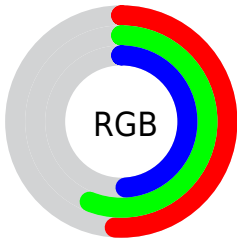
Format	Color
R_{YB}	125, 142, 138
Decimal	8490621
CIE Lab	57.55, -8.08, 7.47
CIE LCh	58, 11.009, 137.252
Yxy	25.4938, 0.3156, 0.3588
Android (android.graphics.Color)	4286680701 (0xFF818E7D)
YUV	136.1750, -5.5093, -6.2925
Hunter-Lab	50.4914, -9.0842, 8.1777

Details

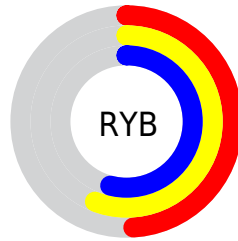
The Yxy color $25.4938, 0.3156, 0.3588$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $22.0210, 0.3094, 0.3001$, and the grayscale version is $24.7100, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.6393, 0.3148, 0.3521$, and $9.8816, 0.3170, 0.3712$ is the 20% darker color. If you saturate the color by 10%, you get $24.3513, 0.3178, 0.3866$, and if you desaturate by 10%, it is $26.7810, 0.3132, 0.3337$.

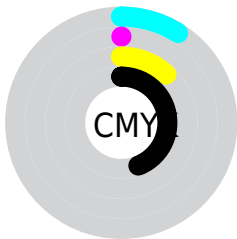
Distribution



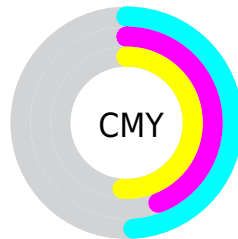
- Red (51%)
- Green (56%)
- Blue (49%)



- Red (49%)
- Yellow (56%)
- Blue (54%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (44%)



- Cyan (49%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4938, 0.3156, 0.3588 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.4938, 0.3156, 0.3588 by changing the saturation by 10% instead.

■ 25.4938, 0.3156,
0.3588

■ 25.4938, 0.3156,
0.3588

280.2882, 0.3141,
0.3422

■ 16.4453, 0.3160,
0.3637

■ 52.4572, 0.3151,
0.3523

■ 9.8398, 0.3164,
0.3705

■ 71.1409, 0.3149,
0.3500

■ 5.2929, 0.3169,
0.3805

■ 93.8051, 0.3147,
0.3481

■ 2.4201, 0.3175,
0.3970

120.8343, 0.3146,
0.3465

■ 0.8362, 0.3280,
0.4590

152.6128, 0.3144,
0.3452

■ 0.0000, 0.0000,
0.0000

189.5251, 0.3143,

0.3440

231.9554, 0.3142,
0.3430

■ 25.4938, 0.3156,
0.3588

■ 25.4938, 0.3156,
0.3588

■ 24.3513, 0.3178,
0.3866

■ 26.7810, 0.3132,
0.3337

■ 23.3451, 0.3196,
0.4167

■ 28.2143, 0.3107,
0.3113

■ 22.4710, 0.3209,
0.4486

■ 29.7994, 0.3083,
0.2914

■ 21.7235, 0.3214,
0.4810

■ 31.5405, 0.3058,
0.2740

■ 21.0963, 0.3209,
0.5124

■ 33.4419, 0.3035,
0.2587

■ 20.5828, 0.3193,
0.5409

■ 35.5075, 0.3013,
0.2452

■ 20.1758, 0.3167,
0.5644

■ 37.7413, 0.2993,
0.2335

■ 19.8669, 0.3130,
0.5816

■ 40.1468, 0.2973,
0.2231

■ 19.6778, 0.3102,
0.5919

■ 42.7279, 0.2955,
0.2141

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4938, 0.3337, 0.3622



25.4938, 0.3156, 0.3588



25.4938, 0.2971, 0.3467

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.4938, 0.3156, 0.3588



25.4938, 0.2799, 0.3014



25.4938, 0.3431, 0.3273

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.4938, 0.3156, 0.3588



22.0210, 0.3094, 0.3001

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.4938, 0.3279, 0.3122



25.4938, 0.3156, 0.3588



25.4938, 0.2915, 0.2974

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.4938, 0.3156, 0.3588



25.4938, 0.2769, 0.3129



25.4938, 0.3089, 0.3014



25.4938, 0.3499, 0.3433

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.4938, 0.3156, 0.3588



25.4938, 0.2871, 0.3355



25.4938, 0.3089, 0.3014



25.4938, 0.3388, 0.3220

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.4949, 0.3156, 0.3588



46.7222, 0.3137, 0.3387



25.3385, 0.3308, 0.3506



10.4000, 0.3139, 0.3404



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4949, 0.3156, 0.3588



44.4646, 0.3161, 0.3650



25.2994, 0.3071, 0.3515



6.0866, 0.3149, 0.3515



17.6721, 0.3104, 0.5917



0.1776, 0.3383, 0.5696

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.0210, 0.3094, 0.3001



37.2765, 0.3086, 0.2944



22.2425, 0.3188, 0.3075



5.4482, 0.3102, 0.3071



4.6638, 0.2636, 0.1226



0.0546, 0.2925, 0.1385

Previews

White Background



This preview shows how the Yxy color 25.4938, 0.3156, 0.3588 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.4938, 0.3156, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

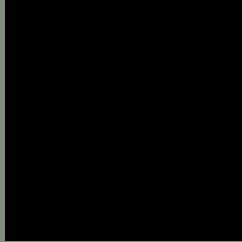
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

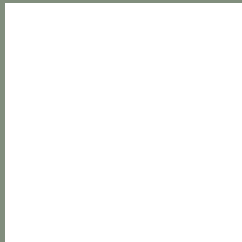
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4938, 0.3156, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 25.4938, 0.3156, 0.3588.



This preview shows how white text looks on a background with the Yxy color 25.4938, 0.3156, 0.3588.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.4938, 0.3156, 0.3588

Protanopia

25.5363, 0.3352, 0.3542

Deuteranopia

25.3753, 0.3461, 0.3387



Tritanopia

25.3334, 0.2965, 0.3106

Trichromacy



Original Color

25.4938, 0.3156, 0.3588

Protanomaly

25.4094, 0.3282, 0.3546

Deuteranomaly

25.2257, 0.3347, 0.3457

Tritanomaly

25.2642, 0.3042, 0.3273

Monochromacy



Original Color

25.4938, 0.3156, 0.3588

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.8294, 0.3133, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4938, 0.3156, 0.3588 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 142, 125)` looks like.

```
.text, #text, p{  
    color:rgb(129, 142, 125)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 142, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 142, 125) }
```

Border

The CSS property to change the border of an element to Yxy 25.4938, 0.3156, 0.3588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 142, 125) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 142, 125) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 142, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 142, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 142, 125);  
box-shadow:4px 4px 4px 4px rgb(129, 142,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4938, 0.3156, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 142, 125) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
142, 125) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor